SLOW SPEED WIND PLANTS

CATALOG NO. 18-A



Illustration on cover shows a complete LeJay 6-volt Slow Speed Wind Plant as it comes ready for installation. Enjoy the advantages of electric lights in your house and other buildings. Do away with kerosene lamps. Have perfect radio reception all the time. Charge batteries for your neighbors at a profit.

NO. 219 LEJAY 6-VOLT WIND PLANT

Complete as pictured on cover. Generator equipped with special designed LeJay Field Coils allowing a cutin speed of 275-290 r.p.m. with maximum output of 15 amperes. Designed and built especially for light plant use and will charge one, two, or three batteries at a time. Starts to generate in a 6-7 mile wind. Instrument panel included. Tower equipped with adjustable feet for quick installation on either a flat or gable roof. Manual control for shutting down is a pull chain running through center of supporting pipe—pull this chain when batteries are fully charged or for shutting plant down in storms. Shipping weight 57 lbs. F.O.B. \$21.45

No. 319—Same as Plant No. 219 but equipped with a Delco-Remy Generator No. 300 as described on page 11. Shp. wt. 63 lbs., F.O.B. Mpls. \$24.45

No. 319J—Same as Plant No. 319 less tower. Includes "U" bolts for securing to post, etc. Shp. wt. \$21.95

No. 219 Plant Sold in Parts

No.	1405 —Generator (see page 10)	\$7.70
No.	51-Self-governing turntable and vane assy	8.60
No.	52 —6 foot tower	4.95
No.	53—Instrument panel	. 2.35
	54—Collector ring assembly	
No.	9SG—Governing Propeller and hub	6.45

NOTE: ALWAYS USE CORRECT WIRE SIZE. SEE PAGE 52.

My Windcharger works fine. It couldn't work any better.

Harold D. Flory, Argos, Indiana.

Just a line to let you know that the Windcharger I ordered from you is O.K. and it surely does the trick! Haven't had a bit of trouble with it and am well satisfied.

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A satisfied customer.

Ole G. Olson, Elkader, Iowa.

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> M. O. Hinton, Henshaw, Ky.

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LEJAY MANUFACTURING CO.

LOWEST PRICED WIND PLANT ON MARKET EQUIPPED WITH SPEED CONTROL



MODEL NO. 218

Model No. 218 has been built for locations where 10-12 mile winds prevail. Generator has slightly higher cut-in than Model 219. Maximum output 12 amperes.

Automatic Speed Control

Equipped with side throw self-governing device for automatically turning head out of strong winds.

Prevents propeller turning beyond the maximum charging rate of speed. Can be operated in the strongest wind with no danger of damaging the charger.

Turntable Mounting

Allows full rotation of the head in either direction, can swing freely into the wind. A feature incorporated only on the best and highest priced plants.

No. 218—Including cutout and ammeter, with tower, if purchased with LeJay Radio. Ship. wt. 47 lbs. \$11.95

LeJay 6-Volt Tilt-Back Wind Plant-With 10-Foot Tower

New Low Speed Delco-Remy Generator. Especially developed and manufactured for winddriven plants. Starts charging in 6-7 mile wind. Capacity 16-17 amperes.

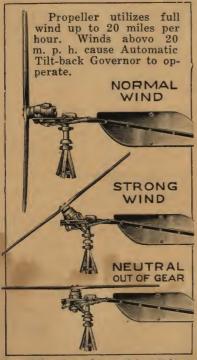
Propellor equipped with metal sheathing on leading edge to prevent destruction in hail, sleet, snow, rain and sandstorms.



lector ring proven on thousands of machines over years of use. Not a single failure.

Tilt-back generator cradle makes the LeJay Wind Plant selfgoverning. (Fully Patented.)

Tower is 10 feet high, ruggedly constructed with several cross braces. Includes adjustable feet.



Pictures at left show the LeJay Tilt-Back Plant in three positions. The plant stays in normal position from dead calm up to approximately 20 miles per hour, which permits the generator to develop its maximum capacity in perfect safety. Above miles per hour the wind pressure propeller blade causes entire head to pivot back, deflecting the wind and maintaining a safe propeller speed. Neutral or out of gear position when batteries are fully charged or in bad storms.

No. 222—Complete with 10-foot tower and instrument panel. Ship. wt. 72 lbs. F.O.B.... \$29.95 No. 222J—Same as No. 222 less tower; includes instrument panel. Shp. wt. 56 lbs. F.O.B. \$26.45

LEJAY STREAMLINED SUPER PLANT



The Best Plant Money Can Buy Model No. 221—6 Volts—17 Amperes

No. 221—LeJay 6 volt Super Light Plant as shown with self-governing propeller complete with instrument panel and ready to connect to your batteries. The governing brake automatically opens as propeller speed increases thus allowing only a maximum attained speed. Generator is a brand new Delco—especially built for wind plants, with 16-17 ampere output. Manual control for shutting down is a pull chain running through center of supporting pipe—pull this chain when batteries are fully charged or for shutting plant down in storms. Will charge up to four of the 6-volt batteries at one time. Especially designed and built for light plant use. Ship. wt. 85 lbs. \$31.50

No. 221J—Same as 221, less tower, complete with instrument panel and U bolts. Ship. wt. 68 lbs. \$26.50 F.O.B. Minneapolis....

A 25 watt bulb gives about 5 times more light than the average kerosene lantern.

All LeJay Plants operate with no more attention than the generator and battery in your car.

Lights and radio can be used at all times with no harm done when plant is charging or when shut down.

DELUXE WINCHARGER WITH AIRBRAKE **GOVERNOR**



The New Generator of the Genuine Wincharger is positively the latest in winddriven generators. Air cooled, with grease sealed ball bearings,greased for a lifetime. Turntable and generator endplate cast in one rigid piece, strongly reinforced. Quick and easy access to brushes and commutator. Very low cut-in speed, allowing generator to start charging batteries in an 8mile wind.

Left

Governor in running position, offers no resistence to propeller movement. Additional fins assist starting in light wind.

Right

Centrifugal force at 1000 r.p.m. throws governor-flaps into position causing an air disturb-ance in front of each

propeller tip, eliminating vibration, fluttering and damage

from high winds.

This plant uses an internal brake for shutting down in storms or when battery is fully charged. Merely by pulling cable the brake is applied and propeller comes to a standstill—same principle as brake on your car.

The collector ring is housed in a weather-proof case and assures perfect operation in all kinds of weather.

No. 137—Complete with 6-foot tower and instrument panel. Shp. wt. 73 lbs. F.O.B... \$25.00

Wouldn't take ten times what your Manual cost and do without it. I learn something every time I read it.
W. F. Pittman,
Windsor, Kentucky.

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LEJAY PORTABLE PLANTS

LeJay Portable Light Plants are made in five efficient, in-expensive models, for operating A.C. or D.C. lights and appliances or for charging 12, 32 and 110 volt D.C. batteries. These sturdy little Power Plants are fully portable— ruggedly constructed and beautifully streamlined in design.

SPECIFICATIONS

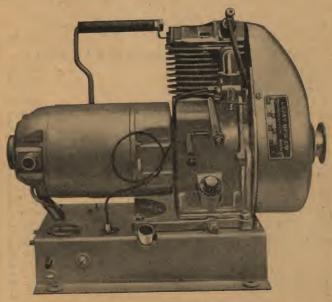
FUEL CONSUMPTION—Ten hours on one gallon of gasoline, and an oil consumption of only two ounces for each ten hours of operation. Gasoline and oil conveniently replanting plenished.

THE MODEL JRA3 FURNISHES 1,000 WATT-HOURS AT A COST OF APPROXIMATELY ONLY THREE CENTS.

ENGINE—34 horsepower, air-cooled, single vertical cylinder-with "L" head, 4-cycle type, and a speed of 3,600 r.p.m. Flyball governor. Splash type lubrication. Ball bearing equipped.

GENERATOR—New LeJay design. Self-excited and with armature directly connected to the engine crankshaft. High-speed, with sealed ball bearings. Made of highest quality materials obtainable and built for sturdy, trouble-free, longlife performance.

GENERAL—The Generator is built directly to the engine block and both mounted on a single, substantial base which also houses fuel tank.



D.C. MODELS

Model No. JD12 JD32 JD10	Watts 200 300 300	Volts 12 32 110	Weight 50 lbs. 50 lbs. 50 lbs.	Price \$59.95 78.40 78.00
JRA3 JR35	300 350	A.C. MODEL 110 110	50 lbs. 55 lbs.	91.90 98.00

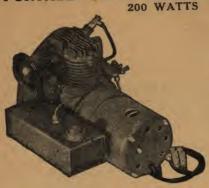
LARGER MODELS-Information furnished on request.

22A	450	110 A.C.	164 lbs.	\$185.00
24A	750	110 A.C.	260 11 s.	284.00
28A	1500	110 A.C.	330 lbs.	380.00
30D	600	32 D.C.	220 lbs.	213.00
31D	800	32 D.C.	225 lbs.	225.00
32D	1250	32 D.C.	260 lbs.	355.00

Add 10 lbs. to above weights for crating.

Other LeJay Plants as large as 5 kilowatts, write for information.

PORTABLE LIGHT PLANT FOR COTTAGES



Ideal for farms, service stations, c a m p s-wherever line current power s not available. Will charge from one to six 6-volt storage batteries at one time or three farm light glass cells. Operates 10 to 12 hours on one gallon of gasoline.

Engine - Lauson 4-cycle, single cylinvertical type der

"L" head developing % H.P. at 2350 RPM. Self starter and Automatic speed Control.

Generator—Gen-E-Motor. Six-volt, shunt wound, high efficient generator rated at 150-200 watts. Self cooling Fan. Positive circuit breaker for connecting and disconnecting generator if you wish to use motor for other pur-Radio interference condenser. Generator shaft connected directly to engine crankshaft.

General—Dimensions: 16 inches long, 11 inches wide and 10 inches high. Weight 50 lbs. Sealed seam one quart gasoline tank. Ammeter and cutout included.

Model 505-Ship. wt. 60 lbs. F.O.B. Minneapolis. . \$39.50

LAWSON ENGINES SOLD SEPARATELY ½-¾ H.P. Ship. wt. 30 lbs. \$29.00 1 H.P. Ship. wt. 85 lbs. 42.95 2 H.P. Ship. wt. 100 lbs. 52.95 3 H.P. Ship. wt. 180 lbs. 64.95

RADIO AND LIGHT PLANT COMBINATIONS

211 Radio and	505 Portable Gas Plant\$53.45	
919 Radio and	505 Portable Gas Plant 61.45	
213 Radio and	JD32 Portable Gas Plant 91.75	
214 Radio and	505 Portable Gas Plant 66.45 219 Wind Plant 43.95	
212 Radio and	219 Wind Plant 49.95	5
212 Radio and	420 Wind Plant 93.25	5
214 Radio and	219 Wind Plant 54.95	5

If Studio Console is preferred in above Combinations, add letter "C" to Radio number and \$13.00 to price.

Combination prices on Radios and other model Plants will be quoted on request.

We have a LeJay 6-volt Light Plant at our summer home, and it's very satisfactory.

Donald Ringle, ausau, Wisconsin. Wausau,



PORTABLE 32-VOLT BATTERIES



An exceptionally designed, well made battery that will give splendid service for the price. Composition jars, Port Orford cedar separators, fine quality material and honest construction and workmanship throughout make this a splendid value.

Assembled 8 cells to the container. Two containers to the 32-volt set. Completely charged and ready to connect. Crated complete for shipment. Adjustment made on time in service basis.

LEJAY SUPER POWER FARM LIGHT BATTERIES

(This Super Power Battery is Built Extra Large, Rugged and Sturdy to Meet Heavy Duty Requirements.) Most users report much more than 5 years, many 10 to 12 and even 15 years of service.

Built big, it has greater storage capacity, more reserve power and doesn't require as frequent charging. The larger plates are made of the best material obtainable, especially designed for farm battery use. Separators are made of the finest genuine Port Orford Cedar; the positive plates have additional perforated rubber separators which prolong the life of the battery and help prevent sediment from going to the bottom.

This is our very best battery—quality built throughout with finest materials and skilled, conscientious workmanship—comes fully charged and ready to connect. No extra parts required.

Included with each set without extra charge is one pilot cell having a completely built-in hydrometer—red and blue balls in a tube serving as gravity indicator.

Guaranteed



Model No.	Intermittent Ampere-hour Rating	Shipping Weight	Jar Size	Price
CW6	97	590 lbs.	7 x4 x13 ¼	\$ 69.50
CW7	145	620 lbs.	7 x4 x13 ¼	89.75
CW9	242	770 lbs.	7 x6 x13 ¼	131.00
CW15	385	1140 lbs.	7 % x6 % x13 ¼	169.95

CW2—Special 2-volt glass cell, 160 ampere-hour capacity, especially made for 2-volt radios. Shipping wt., 38 lbs.. \$7.95 CW26—6 volts (3 glass cells), 160 ampere-hour capacity, for 6-volt radio. Shipping weight, 81 lbs......\$21.00

Slow Speed Generators

No. 405—6 Volt Slow Speed Generator rewound from Ford "T" with cut in speed at 400 r.p.m. Delivers maximum 10 amperes. Will charge one or two batteries at a time. Made for direct drive propeller. Shipping weight 16 lbs. F.O.B. Minneapolis......\$5.95

No. 1405—Same as 405 except has new (LeJay designed) field coils for extra slow speed cut in with high current output. Cuts in at 290 r.p.m. Delivers maximum 15 amperes. Will charge three 6 volt batteries. Shipping weight 17 lbs. F.O.B. Minneapolis.....\$7.95

No. 300—6 Volt Slow Speed Delco-Remy Generator especially designed and built for windchargers. Cut-in speed 350 r.p.m. Double duty type with oversize armature delivering maximum 17 amperes. Will charge up to four 6-volt batteries. Ship. wt. 22 lbs. F.O.B...\$10.75

No. 1414—Same as 414 except generator is wound for real slow speed work where winds are not so strong. Cut in speed 120 r.p.m. with a maximum output of 30 amperes. Ship. wt. 48 lbs. F.O.B. Minneapolis...\$24.50

No. 1212—12 Volt Slow Speed Generator rewound from Dodge 12 volt generator. Cut in speed 260 r.p.m. Delivers maximum 22 amperes. Will charge up to three 12 volt batteries. Made for direct drive propeller. Shipping weight 48 lbs. F.O.B. Minneapolis........\$23.50

No. 0202—Same as 1212 except generator is wound for real slow speed work where winds are not so strong. Cut in speed 170 r.p.m. with a maximum output of 22 amperes. Ship. wt. 48 lbs. F.O.B. Minneapolis....\$24.50

No. 403A—32 Volt Slow Speed Generator rewound from Dodge 12 volt. Equipped with new slow speed 49 bar commutator and special slow speed brushes. Cut in speed 270 r.p.m. Delivers maximum 15

No. 410—110 Volt D.C. Slow Speed Generator rewound from 12 volt Dodge frame. Equipped with new slow speed 49 bar commutator and special slow speed brushes. Cut in speed 600 r.p.m. Delivers maximum 750 watts. To be used with 2 to 1 reduction drive on wind propeller. Shipping weight 50 lbs. F.O.B. Minneapolis.....\$26.50

Above prices do not include propeller hub (see page 12).

Generators 414, 1414, 1212, 0202, 403A, 410, 402, 551 and 552, also Motors 832, 810 and Dodge Arc Welder 103 can be purchased for \$7.00 less than the catalogue price. These are complete in every respect but are shipped in knocked down condition. Assemble your own in a few hours time and save \$7.00. No other parts needed to complete the unit. (No other generators or motors are sold in knocked down condition.)

FACTORY REWOUND CONSTANT SPEED GENERATORS

No. 402-32 Volt Constant Speed Generator rewound from 12 volt Dodge generator. Made especially for engine drive. Delivers 20 amperes at 1,800 r.p.m. Shipping Weight 48 lbs......\$26.50

No. 550—110 Volt A. C. 200-250 Watt Generator made from Ford "T". Delivers enough current to light 8 25-watt bulbs or 5 bulbs and all electric radio or equivalent. 60 cycles at 1800 r.p.m. Excited by 6 volt battery or generator. Shipping weight 16 lbs......\$6.35

No. 551-110 Volt A. C. 700-750 Watt Generator made from Dodge 12 volt. Delivers enough current to light 25 to 30 25-watt bulbs or 20 to 25 bulbs and radio or equivalent. 60 cycles at 1,800 r.p.m. Excited by 6 volt

do not run by wind propeller.

No. 552-110 Volt D. C. Generator from Dodge 12 volt. Delivers 6 amperes (660 watts) at 1,100 r.p.m. and 7 amperes (770 watts) at 1,200 r.p.m. Shipping weight battery or generator. Shipping weight 48 lbs....\$26.50

No. 553—110 Volt A. C. 200 watt fan belt generator made from Ford "P.H." Suitable for automobile operation to operate sound equipment, A.C. radios, etc. 60 cycles at 1,200 r.p.m. Ship. wt. 17 lbs. F.O.B......\$7.45

You pay transportation on above generators.

GENERATOR AND PROPELLER COMBINATIONS

No. 18—Special Combination includes No. 403A 32 Volt Slow Speed Generator and No. 642 Power Propeller complete with hub. Shipping weight 59 lbs. F.O.B. Minneapolis......\$29.95 ર્જેલ કર્યું લાફેલ કર્યું લાફેલ કર્યુંલ કર્યુ

GENUINE "BELDEN" WIRE



"Do not confuse Belden Wire with other makes."

Both the solid and stranded types are suitable for inside or outside wiring. When wiring from plant to batteries, also between buildings, we recommend the use of solid. Be sure and use the proper gauge otherwise results will not be successful. (DO NOT USE TOO SMALL A GAUGE.) See page 52 (General Information) for proper wire size proper wire size.

		Solid Wi	re	
				Shp. Wt.
No.	Gauge	Per Ft.	100 Ft.	per 100 Ft.
120	$1\overline{2}$	1 3/3 c	\$1.41	4 lbs.
100	10	2 ½ c	2.19	7 lbs.
800	8	3 34 c	3.50	10 lbs.
600	6	5 % c	5.31	15 lbs.
400	4	7½c	6.88	21 lbs.
	S	tranded V	Vire	
12	12	2 1/10c	\$2.13	4 lbs.
10	10	3 1/8 c	2.94	7 lbs.
80	8	47/10c	4.33	10 lbs.
60	6	71/5c	6.75	15 lbs.
40	4	9 ½ c	9.06	21 lbs.

FACTORY REWOUND MOTORS

Built to give rugged service. Priced without pulley. No. 706—6 Volt, ½ h.p., 1,800 r.p.m. motor rebuilt from "T" generator frame. New LeJay field coils especially designed for motor; rewound armature, new brushes and bearings. Shipping weight 17 lbs. F.O.B. Mpls....\$7.95

¼ h.p., 1,800 No. 712-12 Volt, r.p.m. motor from "T" frame. Shipping weight 17 lbs. F.O.B. Minneapolis\$7.95



No. 732—32 Volt, ½ h.p., 1,800 r.p.m. motor from "T" frame. Ship. wt. 17 lbs. F.O.B. Minneapolis.....\$5.95

No. 832—32 Volt, ½ h.p., 1,800 r.p.m. motor from Dodge 12 volt frame. Ship wt. 48 lbs. F.O.B.....\$18.75

No. 810—110 Volt D.C., ½ h.p., 1,800 r.p.m. motor from Dodge 12 volt frame. Ship. wt. 48 lbs. F.O.B.....\$26.50

BASES FOR ABOVE MOTORS

Motor Bases are made especially to fit Ford "T" and Dodge frames. Easy attached. You pay postage.

No. TB—Ford "T" Base. Ship. wt. 3 lbs......\$0.59

No. LD—Dodge Base. Ship. wt. 5 lbs.............89 ાનું તારું કર્યું કર્ય

Have received generator and I am well satisfied.
William Gagnon, Worthington, Mass.

The hub I received was sure a very nice one and was worth the money. I took the pattern from your book and made an eight-foot propeller for a twelve volt Dodge generator I have and boy, oh, boy, does it run the generator. erator. Tracy Cole, Ashville, N. Y.

ાફુંત કર્યું કર્ PROPELLER HUBS



Low priced propeller hubs for wooden propellers. Perfectly bal-

ATTACHMENT FOR WINDMILL

Your Windmill Tower for Your LeJay Light Plant

The LeJay Windmill Tower Attachment permits the 6 Volt Light Plants to be installed at greater heights than if mounted on building roof.

No. 10W—Windmill Tower Attachment for Plants No. 219J, 319J, 218J and 222J. Shp. wt. 24 lbs.\$6.75



You pay transportation on all items on this page.

Propellers

LeJay Propellers are made of finest select lumber money can buy; perfectly shaped and hand balanced.

No. 559—High Speed Propeller made of first grade Redwood. Treated with two coats lacquer. Built to operate all standard 6 volt slow speed generators. Less hub. Ship. wt. F.O.B. Minneapolis.

No. 670—High Speed Power Propeller made of best grade straight grain Redwood. Painted with extra quality weather resisting lacquer. Full 6 feet long and spiral pitched. Designed for use with Ford "T", Powerhouse, Charrent Dales Park and other 6 velt gray. Chevrolet, Delco-Remy and other 6 volt generators. Fits generators 404, 405, 1405 and 300 (fastest windcharger propeller we've ever known). Complete with hub. Ship. wt. 5 lbs. F.O.B. Minneapolis\$2.95 \$2.95

Specify generator to be used on when ordering.

No. 642A-High Speed Power Propeller, feet long, made of best grade straight grain Redwood 1¾" stock 6" wide. This propeller is spiral pitched, thus gaining maximum power with no sacrifice in speed. Equipped with copwith no sacrince in speed. Equipped with copper sheathing on leading edge and copper tipped making propeller extremely durable in all kinds of weather. Treated with airplane propeller dope, then filled and coated with several coats weather resisting lacquer. Designed for all Dodge slow speed generators and other 500-700 watt slow speed generators. Complete with hub. Ship wt. 8 lbs. No. 642-Same wood and design as No. 642A propeller but is not copper sheathed. Made of 1 1/8" stock 6" wide. Complete with hub. Ship. wt. 6 lbs. F.O.B. Minneapolis........\$5.95

No. 6325—For those who want the best. This propeller is exactly like our 7 foot No. 642A except it is 8 feet long, thus gaining considerable more power. Complete with hub. Ship. wt. 8½ lbs. F.O.B. Minneapolis......\$9.95

SELF GOVERNING PROPELLER

As a result of painstaking research and exhaustive tests, LeJay engineers have created and perfected a new self-governing propeller that sets a new high standard of power and efficiency. This propeller is made of clear straight grain Redwood, spiral pitched with copper tips and copper sheathing on leading edge. Incorporates a mechanical air-brake that works perfectly. This model is made in two sizes; one especially designed for Ford "T", Powerhouse Chevrolet and Delco-Remy or other 6 volt made in two sizes; one especially designed for Ford "T", Powerhouse, Chevrolet, and Delco-Remy or other 6 volt slow speed generators and the other designed for Dodge and other 500-700 watt slow speed generators. Propeller maintains constant speed and cannot run wild in high winds due to highly developed but simple airbrakes.

No. 9SG—Self governing propeller for 6 volt slow speed generators complete with hub. Pictured on Plant No. 221. Shipping weight 10 lbs. F.O.B. Minneapolis. \$6.45

No. 10SG—Self governing propeller for Dodge or other 500-700 watt slow speed generators complete with hub. Ship. wt. 15 lbs. F.O.B. Minneapolis \$11.75

No. 195-6 Volt airbrake governor only, for use on your own propeller. Ship. wt. 5 lbs. F.O.B. Minneapolis. \$3.95 No. 115-32 Volt airbrake governor only, for use on your own propeller. Ship wt. 7 lbs. F.O.B. Mpls...\$4.85

MAGNET WIRE

If you do not know the exact size wanted, send sample with letter and we will measure, then fill order accordingly. There is no spool or reeling charge.



WE PAY POSTAGE ON ALL MAGNET WIRE ORDERS

Size	D.C.C.	Plain E	Celenamel	S.C.E.
6	\$0.53	\$	\$	\$
7				
8				
9		F.C.		58
10	62			50
11	64	57		
12				
13			74	
14				
15		59	76	63
16				64
17		61		66
18		.62	80	68
19		.63		70
		64	86	74
20		GA.	89	76
21			92	.79
22			05	83
23				27
24		66		02
25		68	1.01	
26		70	1.06	
27		71	1.11	1.03
28		72	1.20	1.08
29		73	1.30	1.17
30		74	, 1.40	1.27
30				

LARGE QUANTITY PRICES-WE PAY POSTAGE

The above prices apply to first pound only. From 2 to 9 lbs. deduct 10c per lb. From 10 to 19 lbs. deduct 15c per lb. From 20 to 50 lbs. deduct 18c per lb.

These prices can be applied to an assortment of sizes, however, if you want each size on separate spools an additional charge of 15c is made per spool.

Nos. 17, 18, 19 and 20 S.C.E. with tracer carried in stock at above prices.

Celenamel magnet wire is a wire insulated with a new extra THIN material made of cellulous. While the wire sizes are the same, the insulation is thinner, thus allowing more turns in a given space than s.c.e. or silk enamel, insuring maximum insulation in a minimum space.

We highly recommend the use of Celenamel for slow speed generator armatures, etc.

There is no reeling charge made on any wire order.

Because of increasing demand for rewinding materials, from persons wishing to rebuild their own generators, we have assembled the following list of Kits from which to choose. Kits can be had for converting various generators (your own) to slow speed generators suitable for wind operation; converted to various motors, etc. Build Your Own and Save Two-thirds the cost. See following page.

Rewinding Kits

For those who wish to rewind their own generator, we have assembled the following materials into groups for certain generator changes. All parts fully guaranteed.

Kit No. 101—"T" to 110 Volt—A. C.

For changing Ford "T" generator into 110 Volt
A. C. generator like our Model No. 550. Includes armature materials only. Use original field coils. Output is 200-250 watts at 110 volts. 60 cycles at 1,800 r.p.m. pound No. 25 s.c.e. magnet wire. can impregnating varnish (air drying). 22 wooden armature slot wedges. 22 insulation papers .007 thickness. fiber end laminations. pieces tape for insulating shaft. commutator brush. Complete above kit, postage paid\$1.85

Kit No. 102—"P.H." to 110 Volts A. C.

For changing Ford Powerhouse generator into a
110 volt A. C. generator for auto fan belt operation. Like our Model No. 553. Includes armature materials only. Use original field coils. De-livers 200 watts at 110 volts. 60 cycles at 1,200 r.p.m.

pound No. 26 s.c.e. magnet wire. 1 can impregnating varnish (air drying).

21 wooden slot wedges.

21 insulation papers .007 thickness.

fiber end laminations. commutator brush.

Complete above kit, postage paid\$1.85

Kit No. 103—"P.H." to 6 Volt—S. S.

For changing Ford Powerhouse generator into a 6
volt slow speed generator. Like our Model No. 404. Cut-in speed 375 r.p.m. Maximum output 16 amperes. Includes armature materials only. 16 amperes. Includes Use original field coils.

1 % pounds No. 19 s.c.e. wire (2 colors).
1 can impregnating varnish (air drying).

21 wooden slot wedges.

21 insulation papers .007 thickness.

2 fiber end laminations.

end insulation paper. Set of new commutator brushes. (Advise if your generator takes 3 or 5 brushes when ordering this kit.)

Complete above kit postage paid.....\$1.95

Kit No. 103A—"P.H." to 6 Volt—S. S.

Same as kit No. 103 but with No. 20 wire in place of No. 19. Cut-in speed 290 to 325 r.p.m. Maximum output 12 amperes. Use original field coils. Complete above kit, postpaid......\$1.95

Kit No. 104

Same as No. 103 kit, less brushes. Postpaid.. \$1.70 Kit No. 104A

Same as No. 103A kit, less brushes. Postpaid. \$1.70

I have built a battery charger and am very much pleased with its performance.

J. Everett Balch, Winona, Minn.

Rewinding Kits

Kit No. 105—"T" to 6 Volt—S. S.
For changing Ford "T" generator into a 6 volt slow
speed generator like our Model No. 405. In-
cludes armature material only. Use original neig
coils. Cut-in speed 400 r.p.m. and maximum
output 10 amperes.
1½ pounds No. 19 celenamel magnet wire.
1 can impregnating varnish (air drying). 22 wooden armature slot wedges.
22 wooden armature slot wedges. 22 insulation papers .007 thickness.
2 fiber end laminations.
2 pieces tape for insulating shaft.
1 end insulation paper.
Set of 3 new commutator brushes.
Complete above kit, postage paid\$2.25
Kit No. 105A—"T" to 6 Volt—S. S.
Same as kit No. 105 but with No. 20 wire in place
of No. 19 Cut-in speed 290 to 325 r.p.m. With
10 ampere maximum. Use original neig coils.
Complete above kit, postpaid\$2.25
Kit No. 106
Same as No. 105 kit, less brushes. Postpaid. \$2.10
Kit No. 106A
Same as No. 105A kit, less brushes. Postpaid. \$2.10
Super DeLuxe "T" Kit No. 107 to 6 Volt S. S.
For changing Ford "T" generator into a 6 volt slov
speed generator like our DeLuxe Model No. 1405
Includes armature and field coil materials. Cut
in speed 290 r.p.m. and maximum output 15 am
peres.
1¼ lbs. No. 19 celenamel wire for armature.
2 lbs. No. 18 P.E. for field coils. 1 large can impregnating varnish (air drying).
22 wooden armature slot wedges.
22 slot insulation papers .007 thickness.
2 fiber end laminations.
2 pieces tape for insulating shaft.
1 roll cotton tave for field coils.
Cotton sleeving for field coils.
Set of 3 new commutator brushes.
4 pole piece shims. Complete kit, ship. wt. 4% lbs. F.O.B\$3.7
Complete Kit, Ship. wt. 474 108. F.O.D
Kit No. 204
For changing Chevrolet Ford "A" Plymouth Por
tiac and all other 14 slot. 28 bar. Autolite of
For changing Chevrolet, Ford "A", Plymouth, Portiac and all other 14 slot, 28 bar, Autolite of Delco Remy generators into a 6 volt slow spee
generator. Includes armature material only. Of
original field coils. Cut-in speed 420 r.p.m. Max
mum output 10 amperes.
mum output 10 amperes.
mum output 10 amperes. 1 ¼ lbs. No. 20 magnet wire, two colors. 1 can impregnating varnish (air drying).
mum output 10 amperes. 1 1/4 lbs. No. 20 magnet wire, two colors. 1 can impregnating varnish (air drying). 15 wooden armature slot wedges.
mum output 10 amperes. 1¼ lbs. No. 20 magnet wire, two colors. 1 can impregnating varnish (air drying). 15 wooden armature slot wedges. 15 slot insulation papers .007 thickness. 2 fiber end laminations.
mum output 10 amperes. 1 1/4 lbs. No. 20 magnet wire, two colors. 1 can impregnating varnish (air drying). 15 wooden armature slot wedges. 15 slot insulation papers .007 thickness. 2 fiber end laminations. 2 pieces tape for insulating shaft.
mum output 10 amperes. 1 '4 lbs. No. 20 magnet wire, two colors. 1 can impregnating varnish (air drying). 15 wooden armature slot wedges. 15 slot insulation papers .007 thickness. 2 fiber end laminations. 2 pieces tape for insulating shaft. Set of 3 new commutator brushes.
mum output 10 amperes. 1 1/4 lbs. No. 20 magnet wire, two colors. 1 can impregnating varnish (air drying). 15 wooden armature slot wedges. 15 slot insulation papers .007 thickness. 2 fiber end laminations. 2 pieces tape for insulating shaft. Set of 3 new commutator brushes. Complete above kit, postage paid\$2.2
mum output 10 amperes. 1 '4 lbs. No. 20 magnet wire, two colors. 1 can impregnating varnish (air drying). 15 wooden armature slot wedges. 15 slot insulation papers .007 thickness. 2 fiber end laminations. 2 pieces tape for insulating shaft. Set of 3 new commutator brushes.
mum output 10 amperes. 1 1/4 lbs. No. 20 magnet wire, two colors. 1 can impregnating varnish (air drying). 15 wooden armature slot wedges. 15 slot insulation papers .007 thickness. 2 fiber end laminations. 2 pieces tape for insulating shaft. Set of 3 new commutator brushes. Complete above kit, postage paid\$2.2
mum output 10 amperes. 1 1/4 lbs. No. 20 magnet wire, two colors. 1 can impregnating varnish (air drying). 15 wooden armature slot wedges. 15 slot insulation papers .007 thickness. 2 fiber end laminations. 2 pieces tape for insulating shaft. Set of 3 new commutator brushes. Complete above kit, postage paid\$2.2 No. 205—Same as 204 kit, less brushes
mum output 10 amperes. 1 1/4 lbs. No. 20 magnet wire, two colors. 1 can impregnating varnish (air drying). 15 wooden armature slot wedges. 15 slot insulation papers .007 thickness. 2 fiber end laminations. 2 pieces tape for insulating shaft. Set of 3 new commutator brushes. Complete above kit, postage paid\$2.2 No. 205—Same as 204 kit, less brushes
mum output 10 amperes. 1 1/4 lbs. No. 20 magnet wire, two colors. 1 can impregnating varnish (air drying). 15 wooden armature slot wedges. 15 slot insulation papers .007 thickness. 2 fiber end laminations. 2 pieces tape for insulating shaft. Set of 3 new commutator brushes. Complete above kit, postage paid\$2.2 No. 205—Same as 204 kit, less brushes2.1

Rewinding Kits

Kit No. 501—Dodge to 32 Volts—S. S.

For changing Dodge 12 volt generator into 32 volt slow speed generator, cut-in speed 350 r.p.m.

With maximum output of 14 amperes. (560 watts.) Field coils and armature to be rewound.

use original commutator.

5 pounds No. 17 celenamel wire for armature.

6½ pounds No. 21 p.e. wire for fields.

1 large can impregnating varnish (air drying).

26 wooden armature slot wedges.

26 insulation papers .007 thickness.

2 pieces tape for insulating shaft.

1 roll cotton tape for field coils.

Cotton sleeving for field coils. Cotton sleeving for field coils. Set of 2 special commutator brushes.

Complete kit, ship. wt. 16 lbs. F.O.B...... \$8.75

Kit No. 501A—Dodge to 32 Volts—S. S. For changing Dodge generator into 32 volt slow speed generator like our Model No. 403A. Includes armature and field coil materials, also new LeJay slow speed commutator. Cut-in speed 270 r.p.m. and maximum output 15 amperes (600

5 lbs. No. 18 celenamel 2 wires.

6½ lbs. No. 20 P.E. wire for field coils. 1 large can impregnating varnish (air drying).

26 wooden slot wedges for armature. 26 insulation papers .007 thickness. 2 pieces tape for insulating shaft. 1 roll cotton tape for field coils.

Cotton sleeving for field coils.

1 49-bar special LeJay slow speed commutator.

Set of 2 special commutator brushes.

Complete kit, ship. wt. 16 lbs. F.O.B......\$11.95

Kit No. 152—Dodge to 12 Volt—S. S.

Same as Kit No. 501 but with wire sizes for changing to 12 volt slow speed like our model No. 1212.
Cut-in speed 260 r.p.m. with maximum output of 22 amperes. Field coils and armature to be rewound.
Shp. wt. 16 lbs. F.O.B. Minneapolis......\$8.60

Kit No. 152A—Dodge to 12 Volts—S. S.

Same as kit No. 152 but includes wire sizes for making generator like our No. 0202. Cut-in speed 170 r.p.m. with maximum output of 22 amperes. Field coils and armature to be rewound. Shp. wt. 16 lbs. F.O.B. Minneapolis......\$9.60

Kit No. 153-Dodge to 110 A. C. Same as Kit No. 501 but with wire sizes for changing to 110 volt A. C. generator like our model No. 551. Includes armature and field coil materials. 700-750 watt output at 110 volts A. C. 60 cycles at 1,800 r.p.m. Shp. wt. 16 lbs. F.O.B. Mpls... \$8.65

Rewinding Kits
Kit No. 160—Dodge to 32 Volt Constant Speed Same as kit No. 501A but with wire sizes for changing to 32 volt D. C. like our Model No. 402. Includes 49 bar commutator. Delivers 20 amperes at 1,800 r.p.m. (800 watts.) Field coils and armature to be rewound. Shp. wt. 18 lbs. F.O.B. Minneapolis
Kit No. 161—Dodge to 110 Volt D. C. Generator Same as kit No. 501A but with wire sizes for changing to 110 volt D. C. like our Model No. 410. Includes 49 bar commutator. Delivers 750 watts, 1,175 r.p.m. Field coils and armature to be rewound. Shp. wt. 18 lbs. F.O.B. Minneapolis. \$11.95
Kit No. 162—Dodge to 32 Volt ½ H. P. Motor Armature does not need to be rewound when using this kit. Kit includes field coil materials only. This motor is like our Model No. 832. Develops ½ h.p. at 1,800 r.p.m. Shp. wt. 10 lbs. F.O.B. Mpls\$4.95
Kit No. 163—Dodge to 110 Volt ½ H. P. Motor Same as kit No. 501A but with wire sizes for changing to 110 volt motor like our Model No. 810. Includes 49 bar commutator. Develops ½ h.p. at 1,800 r.p.m. Armature and field coils to be rewound. Shp. wt. 18 lbs. F.O.B. Minneavolis. \$11.95
Kit No. 164—"T" to 6 Volt 1/8 H. P. Motor Includes armature kit complete and field coil materials for making a 6 volt 1/8 h.p. motor like our Model No. 706. Develops 1/8 h.p. at 1,800 r.p.m. Shp. wt. 5 lbs. F.O.B. Minneapolis
Kit No. 165—"T" to 12 Volt ¼ H. P. Motor Includes armature kit complete and field coil materials for making a 12 volt ¼ h.p. motor like our Model No. 712. Develops ¼ h.p. at 1,800 r.p.m. Shp. wt. 5 lbs. F.O.B. Minneapolis
Kit No. 166—"T" to 32 Volt ¼ H. P. Motor Armature does not need to be rewound when using this kit. Kit includes field coil materials only. This motor is like our Model No. 732. Develops ¼ h.p. at 1,800 r.p.m. Shp. wt. 3 lbs. F.O.B. Minneapolis
Kit No. 1618—"T" to 6 Volt Outboard Motor Includes armature kit complete and field coil materials for making a 6 volt outboard motor like our Model No. 0-48. Shipping wt. 5 lbs. F.O.B. Minneapolis
erator, for arc welder. 3 pounds No. 8 DCC magnet wire. 4½ pounds No. 20 celenamel magnet wire. 1 roll ¾" cotton tape. 1 piece 3/32" fiber for brush rigging. 1 large can impregnating varnish. Insulation paper for use in field coils. 5 feet No. 8 lead wire, rubber covered. Complete kit, shp. wt. 11 lbs. F.O.B. Mpls\$6.85
823—Complete kit for winding your own reactor. 2 pieces ½"x5"x8" fiber. 2 pieces .010 armature paper, 6"x17" for legs. 12 pounds No. 8 DCC magnet wire. 12 feet No. 8 lead wire, rubber covered. 1 large battery clip. Complete kit, shp. wt. 18 lbs. F.O.B. Mpls\$6.95
824—Steel for reactor, cut and machined to size, drilled and tapped. Shp. wt. 21 lbs. F.O.B. Minneapolis\$2.95

Dodge Field Coils

A set of 4 new factory made field coils for the Dodge changes, ready to install in your frame. Each set polarized and connected together. Easy to install. For "G" or "GA" Dodge generators.



Shipping weight 9 lbs. per set. You pay postage.

Coils No. 4A used with armature No. 014 make a 6 volt slow speed generator like our Model No. 414.

Coils No. 5A used with original Dodge armature make a 6 volt slow speed cut-in 350-450 r.p.m., 35 ampere maximum output.

maximum output.
Coils No. 1A used with armature No. 012 make a 12 volt slow speed generator like our Model No. 1212.
Coils No. 7A used with armature No. 003 make a 32 volt slow speed generator like our Model No. 403A.
Coils No. 8A used with armature No. 002 make a 32 volt constant speed generator like our No. 402.
Coils No. 9A used with armature No. 051 make a 110 volt A. C. constant speed generator like our No. 551.
Coils No. 10A used with armature No. 052 make a 110 volt D. C. slow speed or constant speed generator like our No. 552 or No. 410. our No. 552 or No. 410.

Coils No. 13A used with original Dodge armature make

an arc welder like our Model No. 103.

If you wish to make generators like our Nos. 0202 or 1414 just add letter "B" after the coil and armature Nos. after the coil and armature Nos.

EXCHANGE ON DODGE ARMATURES

We can furnish guaranteed factory rebuilt armatures. Exchange only-no outright sales.



No. 014 Dodge Armature for 6V.—S.S. exchange..\$8.75
No. 012 Dodge Armature for 12 V.—S.S. exchange 8.75
No. 003 Dodge Armature for 32 V.—S.S. exchange 9.95
No. 002 Dodge Armature for 32 V.—Constant speed 9.95
No. 051 Dodge Armature for 110 V.—A. C. change 8.95
No. 052 Dodge Armature for 110 volt D.C. change 9.95

Nos. 052, 003 and 002 are equipped with 49 bar com-nutator. You pay postage. Shipping weight 15 lbs.

This applies to "G" or "GA" Northeast Generator only.

LEJAY FIELD COILS AND ARMATURES FOR MOTORS

A set of 4 new factory made field coils for the various changes, ready to install in your frame. These coils are to be used with rewound motor armatures. Each set polarized and connected together. Easy to install.

No. 2P—Set of 4 coils for 6 volt motor from "T" generator. F.O.B. Minneapolis. tor. F.O.B. Minneapolis.....\$1.95 No. 4P-Set of 4 coils for 12 volt motor from "T" generator. F.O.B. Minneapolis.....\$1.95 Dodge generator. F.O.B. Minneapolis......\$6.35 Shipping weight-Dodge, 9 lbs. per set. "T", 3 lbs.

FORD "T" ARMATURE



No. 006-Rewound "T" armature for 6 volt motor, ex-change. F.O.B. Minneapolis.....\$2.75

Shipping weight: Dodge, 15 lbs. "T," 7 lbs.

Coils No. 2P used with armature No. 006 make a 6 volt motor like our No. 706.

Coils No. 4P used with armature No. 021 make a 12 volt motor like our No. 712.

Coils No. 3P used with original armature make a 32 volt motor like our No. 732.

Coils No. 32 used with original armature make a 32 volt motor like our No. 832.

Coils No. 10 used with armature No. 010 make a 110 volt motor like our No. 810.

EXCHANGE ON FORD & CHEV. ARMATURES

No. 94—Ford "T" factory rewound and reconditioned volt slow speed armature. When used with original fiel volt slow speed armature. When used with original fiel coils the cut-in speed is 400 r.p.m. with maximum output of 10 amperes, like our Model No. 405. When this armature is used with No. 194 Deluxe field coils the cut-is speed is 290 r.p.m. with maximum output of 15 amperes like our Model No. 1405. In most cases it is necessar to place a thin metal shim under each pole piece to ge proper cut-in speed. Pole piece shims (set of 4) sell a 10c per set. Exchange price......\$2.7 No. 94A—Ford "T" factory rewound and reconditione 6 volt slow speed armature to be used with original fiel coils. Cut-in speed 325 r.p.m. with maximum output of 10 amperes. When this armature is used with No. 19 Deluxe field coils the cut-in speed is 275 r.p.m., maximum output 12 amperes. It is advisable to use pole piec shims as described in No. 94. Exchange price....\$2.7

I find it very easy to follow your plans and will re ommend them to anyone interested.

Charles Cunningham, Bison, Kansa ્યું કર્યું કર્ય

No. 95—Ford "PH" factory rewound and reconditioned 6 volt slow speed armature. To be used with original field coils. Cut-in speed 375 r.p.m. Maximum output 16 amperes, like our Model No. 404. Exchange price. \$2.95 No. 96-Chevy Standard factory rewound and reconditioned 6 volt slow speed armature. To be used with ori-No. 98—Ford "A" factory rewound and reconditioned 6 volt slow speed armature. To be used with original field coils. Cut-in speed 420 r.p.m. Maximum output 8 amperes. Exchange price.....\$2.95 No. 99—Ford "PH" factory rewound and reconditioned 110 volt A. C. armature. To be used with original field coils. Delivers 200 watts at 110 volts. 60 cycles at 1,200 r.p.m., like our Model No. 553. Exchange price....\$3.15 No. 0-16—Ford "T" factory rewound and reconditioned outboard motor armature. Works on 6 or 12 volts; to be used with coils No. 0-18. Exchange price.....\$2.95 No. 0-18—Set of 4 coils for "T" when used with 0-16 armature make an outboard motor like our No. 0-48. Ship. wt. 3 lbs. F.O.B. Minneapolis...............\$1.95

The above exchanges mean that if you will send us your old armature together with price quoted we will in turn ship you a factory rewound armature to be inserted in your generator. Original field coils are to be used. Positively no armatures will be shipped until we receive your old one for the exchange.

Shp. wt. on any above armatures, 7 lbs. F.O.B. Mpls.

FORD SLOW SPEED FIELD COILS

Special DeLuxe coils as used in generator No. 1405.

FORD FIELD COILS



Shipping weight 31/2 lbs. per set. F.O.B. Minneapolis.

FORD "T" POLE SHIMS

It is advisable to place a thin metal shim under each pole piece in Ford "T" generator when changing to slow speed. This brings pole surface closer to armature which helps to lower the cut-in speed.

No. 4PS—Set of 4 pole shims. Postage paid.....\$0.10

Generators rewound from the Dodge 12 volt are equipped with new field coils, new brushes and rewound armatures. Guaranteed same as new generators. Will stand the hardest abuse.

This winter I rewound a Dodge 12 volt generator to 110 volt A. C. I drive the generator with a 7-ft. overshot water wheel. It certainly delivers the "juice." It lights the house and also operates washing machine.

D. B. Carpenter, Foster, Oregon.



No. 2TR—Arc Welder including 1 doz. welding rods and 3 carbon tips. Ship. wt. 4 lbs. F.O.B. Minneapolis. \$3.75



This welder uses same carbon tips, welding rods and brazing rods as the No. 2TR welder but made to sell at a lower price. Can be used for welding, brazing or soldering. If you do not have an extra battery then just connect to auto battery without removing battery from car. The handiest tool you ever owned.

No. 25TR—Arc Welder including 1 doz. welding rods, 1 doz. brazing rods, ½ doz. acid core soldering rods, ½ doz. rosin core soldering rods and 3 carbon tips. Shp. wt. 2 lbs. F.O.B. Minneapolis......\$2.50

EXTRA PARTS

Carbon Tips-Per dozen, postpaid	\$0.98
Steel Welding Rods—Per dozen, postpaid	.24
Bronze Brazing Rods—Per dozen, postpaid	.48
Soldering Rods—Per dozen, postpaid	.35
Aluminum Welding Rods—Per half doz., postpaid.	1.58

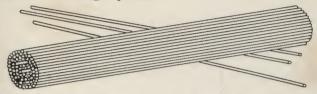
ARC WELDER FROM DODGE GENERATOR

A 75-85 ampere, 25-30 volt, arc welder, factory built from Dodge generator. Easily capable of welding materials up to \(\frac{1}{6}'' \) thick. Heavier materials can be welded if more time is taken and weld gradually built up. Requires 3 h.p. to operate and best results obtained between 1800 and 2200 r.p.m.

WELDER REACTOR

WELDING RODS

LeJay welding and brazing rods are made by one of the largest steel companies in the world—assuring stable quality at the right price.



LEJAY ELECTRODE HOLDER



This is a large doubly durable holder, made of solid bronze and especially designed for production work. Positive grip.

No. 2EH—Holder, shp. wt. 3 lbs. F.O.B. Mpls....\$4.00

WELDING HELMET



This helmet has an adjustable band for fastening on he ad. Allows you to use both hands on work—tilts back when you are not welding, very handy.

No. 9—Helmet, shp. wt. 3 lbs. F. O. B. Mpls. \$5.95



WELDING CABLE

A tough rubber jacketed cable for electric welding.

Current Ship. Wt. Price
Ship. Wt. Price
per 100 ft. per Foot
8 85 amperes 8.3 pounds \$0.0732
6 100 amperes 13.4 pounds .141
4 150 amperes 18.1 pounds .207
2 190 amperes 26.0 pounds .29
We also furnish a residual state of a fill and leave to the fill and l

We also furnish a special extra flexible rubber covered cable for use next to electrode holder which makes much easier for operator to work. About 8 feet is recommended 2 200 amperes 33.0 pounds \$0.32



Dodge Dodge "GA"

SLOW SPEED CARBON BRUSHES

Made of high quality carbon to give lasting service. The Dodge brushes will also work very satisfactory in constant

also work very satisfactory	
speed machines and in arc welder.	
Ford "T"—Per set of 3\$0).15
Ford "A"—Per set of 3	
Ford "PH"—Per set (3 brushes)	
Ford "PH"—Per Set (5 brushes)	.22
Chevrolet—Per set of 3	
per each brush\$6).29
ner each brush	



"G"

VEE TYPE PULLEYS

No. 49—Dodge, 4" dia., steel... \$1.34 No. 48—Dodge, 5" dia., steel... 1.49 No. 200—Ford "T," 3½" dia.. .35 No. 76—Ford "PH", 3½" dia.. .35 No. 84—Chevrolet, 3½" dia.. .35

Ship, wt. Dodge 2 lbs., others 1 lb.

YOU PAY POSTAGE

WRITE FOR QUOTATION ON OTHER SIZE PULLEYS

TAPE	Linen Finished Cotton Genuine "EMERALD" Brand	
Width	Length Price per Rol	I
1/2 "	linear yards\$0.2	9
3/4 "	linear vards	3
1 "36	linear yards	0
Shipping weight 4 02	z. to 36 yards. You pay postage.	-

BRUSH HOLDERS

No.	LJ61-Ford	"T" brush holder assembly	. \$0.45
No.	LJ62-Ford	Powerhouse 3 brush type	59
No.	LJ63—Ford	Powerhouse 5 brush type	59
	Shipping	weight 6 oz. You pay postage.	

COMMUTATORS

d o Toledo Commutators; Genuine not confuse them with cheaper and inferior brands.



No. 521—Ford model "T".

No. 728—Ford model "A," 28 bars.

No. 240—Ford model "A," 40 bars.

No. 322—Dodge models "G" or "GA".

No. 349—Dodge model "G" or "GA", 12 volt, 49 .98 2.00 2.75

Shp. wt.: Ford 1 lb., Dodge 2 lbs. You pay postage.

INSTRUMENT PANELS

No. 53-6 Volt Instrument Panel including cut-out ammeter, radio interference condenser, battery, terminals and generator terminals. Completely wired. Dimensions: 6 inches square. Shp. wt. 2 lbs. . . \$2.35



fuse, battery terminals, generator terminals and load terminals. Completely wired. Dimensions: 8 inches square. Shp. wt. 4 lbs. F.O.B. Minneapolis......\$5.30

About a year ago a friend of mine and myself became interested in wind plants, so we wrote several different Companies and obtained literature, plans, etc., and I want to say that what we received from LeJay has biven us more satisfaction and more for our money than any other place.

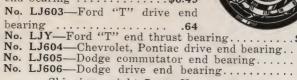
Harold Kinman,

1.59

BEARINGS

A real quality bearing and at a real price. Thousands sold to satisfied customers.

No. LJ601-Ford "T" commutator end bearing\$0.49 No. LJ603-Ford "T" drive end



Shipping weight 7 oz. You pay postage.

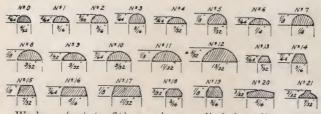
WHITE COTTON SLEEVING

Highest Quality-Lowest Prices-Postpaid

Part	For Wire	Inside	Price					
No.	Sizes	Diameter	30-ft. Lengths					
A	15-22	1/16"	10c					
В	12-14	1/8 "	18c					
С	7-11	5/32"	35c					

WEDGES

Made of first quality hard maple and comes in 2½ foot lengths. Order by number and specify total feet wanted.



Wedges (cut to fit) can be supplied for all standard auto generators, 6 volt size. Determine wedge No. from above chart, then advise armature slot length, also number of slots. Per set, postage paid.....\$0.23

VARNISH CLOTH

Special LeJay quality (yellow or black). Approximate-

ly 36 inches wide.

.005 Standard, per linear yard.

.007 Standard, per linear yard.

.58

.010 Standard, per linear yard.

.62

Shipping weight 1 lb. per square yard. You pay postage.

VARNISH

Best Quality Impregnating

½ Pt. 1 Pt. 1 Qt. \$0.75 2-hr. Baking......\$0.26 \$0.45 4-hr. Air Drying..... .29 .49 .88

Larger quantities quoted on application. Ship. wt.: ½ pt.—1 lb., 1 pt.—1 ¾ lbs., 1 qt.—3 1/8 lbs. YOU PAY POSTAGE.



ARMATURE PAPER

High quality insulation paper with standard thickness for all automobile armature work, per square foot..8c Add 11/2 c to each square foot for postage.

ARMATURE TWINE

Best quality—¼ lb. balls, postpaid....



A. Every farm, no matter how far away it may be from power lines, can now have the benefit of electric power. And another tremendous advantage is that the cost of operation is practically nothing. Put the wind to work! Let it keep your batteries

charged and dio, washing pumps, vac toaster, waff Wind Gener currents from

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e

B. This is a staunchly built Direct Drive, Practical Wind Plant that is the greatest step forward for the convenience of farmers since the rural telephone. To go without it is to miss a real advantage that is actually worth big money to every farmer. For years every farmer and every farmer's family has wished for electric power and here it is, all ready to use.

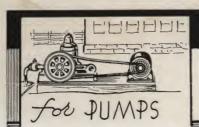
COMPLETE SZ VOLT-600WATT

INCLUDING SHORT TOWER AND SPECIAL INSTRUMENT PANEL Extra 20-ft. Tower\$ 8.00 Extra 40-ft. Tower 16.00 Extra 60-ft. Tower 24.00

The Finest Materials Assure Splendid Ser

D. The LeJay Wind Light Plant owes its outstanding performance to its expert engineering and care in manufacture. The especially designed propeller is made of the sturdiest wood used for this purpose, reinforced with sheet copper. The generator always runs cool and requires little attention. It can be serviced at any gen-

erator service completely wals for genconnecting to nals for comclearly mark fuse, radio mout.



POSITIVELY (

The LeJay Wind Light on a satisfaction or mon nary care will give you



hts and radio in their leisure urs. And how the women joy having electric power for eir household appliances.

ice and Long Life

station. Instrument panel is ared having separate termi-rator, separate terminals for battery and separate termi-ecting to load; all terminals d. Also contains ammeter, ise filter condenser and cut-

UARANTEED!

Plant is guaranteed 90 days y back basis and with ordiany years of perfect service.



ELECTRICITY ON THE FARM AT VERY LOW COST

We have often been asked the cost of a 32 Volt Wind Plant. The first cost is the only cost for some time to come. Let us consider and analyze the cost of our 32 Volt Plant and the batteries which we recommend for use with it. The plant itself sells for \$65.95 as priced in our catalog. The batteries, which we recommend for use with this plant, are 16 cells of the glass jar type (No. CW9), which are the 242 ampere batteries. These batteries sell for \$131.00 and are guaranteed for 5 years. Since farm lighting batteries are not subject to the abuses of automobile batteries, it is common for them to last as long as 10 years and even 15 years. Let us then assume the cost for the first five years, as the complete plant should give you no trouble in that time. (Of course, smaller or larger capacity batteries may be used with this plant.)

As stated before, the plant cost will be \$65.95 and the batteries will cost \$131.00, making a total cost for plant and batteries of \$196.95. The wiring cost will vary with the amount of wire used, and as the wiring will last a lifetime, it need hardly be considered. Complete plant including wiring need not cost over \$215.00. Now, the cost divided over 5 years will be \$39.00 per year, or approximately \$3.03 per month. This is far less than the average electric bill of the city dweller. Furthermore, this cost is for all the power you will be using up to to the full capacity of the batteries, and not just a limited amount such as \$3.00 per month would buy.

At end of first 5 years we'll assume your batteries are pretty well used up. The plant should still be in good condition so the only expense you will now have is the cost of the batteries. The glass jars and the glass or composition covers of the batteries have not deteriorated, therefore the only replacements you will need in them is the fluid, the plates and separators. The cost of these will vary, depending on size but this cost need not exceed \$40.00 to \$50.00. Your plant is now good for another five years and at a cost of about 35% of the initial cost, thus lowering your monthly light bill to about 83½ cents per month. These are figures well worth considering.

Yesterday I put my LeJay 32 Volt Plant up against a \$550.00 wind charger and put more juice into the battery in 3 hours than the big plant. How's that?

J. K. Chenault, Elk City, Oklahoma.

We have our 32 Volt LeJay Wind Plant installed and like it fine,

John Lanterman, Ellinwood, Kansas.

V. PLANT LEJAY 32

WITH PILOT VANE CONTROL; OR, GOVERNING PROPELLER.



Features

Collector Ring Assembly: The collector ring is used for transmitting the current from generator to batteries and line. This apparatus has to be designed and built so mill assembly can turn freely with no twisting of wires and yet no loss in current transfer. Here LeJay again comes to the front with a machined brass, fool-proof assembly; easily accessible and mounted under condlain weatherweefed access cradle in weatherproofed case.

Turntable: A typical LeJay design allowing full rotation of head in either direction and always facing

squarely into wind.

Generator: Special slow speed generator completely rebuilt from the Dodge 12 volt frame. Equipped with new bearings, new slow speed 49 bar commutator, slow speed brushes, grease cups, special LeJay designed field coils and armature. A safety fuse is installed in field circuit to eliminate any possible chance of generator burning out. Begins to charge in a 10 mile wind with a maximum capacity of 600 watts. (See following pages.) PROPELLER—If pilot vane plant is desired then plant comes equipped with propeller No. 642A. If governing propeller is desired, then plant comes equipped with propeller No. 10SG and without pilot vane. Both propellers are LeJay designed spiral pitched and copper sheathed

with copper tips.

TOWER—The LeJay 32 Volt Plant comes (optional) on a 6 foot 4 legged tower, or a 6 foot 3 legged tower, both constructed of double duty material assuring years of service. If you desire to place the plant higher than any building then we suggest the use of our special sectional double duty tower which comes in 10 foot lengths. This tower is to be used in conjunction with 3 legged 6 foot plant stub tower and as many as 6 lengths can be used—thus gaining any height—26—36—46—56 or 66 feet.

No. 268—Sectional Tower as shown, 10 foot length, complete with sufficient guy wires, etc., for any height installation up to 6 sections. Ship. wt. 38 lbs. per section. F.O.B. Minneapolis...\$4.00

This plant can be used in conjunction with large gas engine driven plants for purpose of cutting down gasoline consumption with absolutely no interference to engine driven generator hookup; or can be used as an individual light plant.

When ordering be sure to specify if you want plant equipped with pilot vane or governing propeller.

32 VOLT PLANT

LeJay 32 Volt Wind Plant as described complete with 6 foot towers, instrument panel and ready to connect to your batteries. Ship. wt. 165 lbs. F.O.B. Mpls.

LEJAY 32 VOLT PLANT PARTS

 roof (4 legged)
 15.00

 No. 68PA—Instrument Panel as shown
 5.30

 No. 10SG—Governing Propeller
 11.75

We've installed all types of Windcharger Plants and find that yours is one of the best.

Neil F. Anderson,
Mgr. Ellinwood Electrical Service.



SPECIAL WIND GENERATOR CUTOUTS

LeJay Cut-Outs embody the latest improvements in construction and design and will adequately meet all present day wind generator requirements.

Regular automobile cutouts have proven very unsatis-factory on wind plants and a constant source of trouble, therefore be sure you order the correct cutout for your job.

No. 66— 6 Volt, capacity 20 amps. Shp. wt. 8 oz.. \$0.59 No. 67—12 Volt, capacity 20 amps. Shp. wt. 8 oz.. .79 No. 64—32 Volt, capacity 450 watts. Shp. wt. 1 lb. 1.98

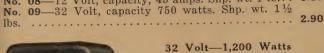
Double Duty Capacity

The wide-spread demand for Double Duty Capacity
Wind Generator Cut-Outs has prompted us to present the following models.

No. 07— 6 Volt, capacity 45 amps. Shp. wt. 1 lb...\$1.65

No. 08—12 Volt, capacity, 45 amps. Shp. wt. 1 lb... 1.88

No. 09—32 Volt, capacity 750 watts. Shp. wt. 1½





No. lbs.	32 Volt—1,200 Watts W3—Shipping weight 2\$10.95
No.	32 Volt—2,000 Watts W32—Shipping weight 2 ½ 11.65
No.	110 Volt—1,650 Watts W10—Shipping weight 2

CONSTANT SPEED CUTOUTS

The following three models are made for generators driven by engines or motors where the speed is considerably faster than wind plants.

No. K06— 6 Volt, 25 ampere. Shp. wt. 10 oz.....\$0.39 No. K12—12 Volt, 25 ampere. Shp. wt. 10 oz..... 60 No. 216—32 Volt, 600 watts. Shp. wt. 1½ lbs.... 2.35

LEJAY AUTOMATIC CONTROL UNIT

A combination Voltage Control Current REGULATOR and Generator Cutout made for 6 volt wind driven light plants and works as follows

When the generator first starts charging, the regulator contact points are closed. When the battery becomes fully charged and the generator terminal voltage



Voltmeters and Ammeters







SPECIAL LOW PRICED AMMETER

44

AIR CELL TESTER

No. 777—For testing air cell type batteries. Gives true picture of battery's condition. In attractive black case with leads. Shp. wt. 3 lbs. F.O.B. Minneapolis. \$2.74



Genuine Mazda BULBS

INSIDE FROSTED



Standard Screw



	~	•					ł	⋨a	Se										-	-	\				
6	vo.	lt,	15	wat	t.																				\$0.30
				wat																					
6	vo]	lt,	50	wat	t.							٠									٠	٠	٠		.40
12	vo.	lt,	15	wat	tt.																				.30
12	vo]	lt,	25	wat	t.										÷										.30
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28-	-32	or	32	vo.	lt,	18	5	w	at	t.								ï							.23
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We do not ship orders less than 6 bulbs. Shipping weight figures 4 bulbs per pound. You pay postage on all bulb orders.

LEJAY BATTERY RADIOS

For 6 and 32 Volts

These beautiful and sensationally new LeJay Radios are comparable in performance and tone quality only to the highest priced A. C. receivers obtainable. The artistically designed cabinets are of choice walnut having unusual eye appeal and will grace the finest living rooms. Each Radio is equipped with a high efficient Dynamic Speaker and Short Wave Tuning bands. Especially engineered for low battery consumption yet extraordinary tonal qualities, high sensitivity with hair line selectivity. No. "B" or "C" batteries are used.

All Radios are RCA Licensed and tubes guaranteed one year on a service basis.

MODEL 212



6 Tube, 6-volt Superheterodyne with 3-b and Tuning. American, foreign, amateur, police, sea and Aviation. Large 4½-inch Colored Illuminated Oval Dial. Automatic Volume Control. Full 6" Dynamic Speaker. Tuning range 540 1720 kilocycles; 1.7 to 5.5 megacycles; 5.5 to 16 megacycles. Tubes: 1 MM106; 1 1A4; 1 34: 1 19; 2 30. Battery drain 1.65 amperes. Dimensions: 12" wide, 15" high, 9¼" deep. Shippling weight 27 lbs. F. O. B. Minneapolis. Complete with tubes.

\$27.60

MODEL 211

4 tube, 6-volt Superheterodyne with 2-band tuning. American, foreign, amateur and police. Large 4½" colored illuminated dial. Automatic volume control. Full 6" dynamic speaker. Tuning range 540 to 1720 kilocycles; 2.1 to 7.0 megacycles. Tubes 1 6K7G; 1 6Q7; 1 38; 1 6A8G. Battery

megacycles. Tudrain 1.2 amperes. Output 1.2 watts (average 4 tube battery set approximately 1/4 watt output). This set has a synchronous rectifier which makes it equivalent to the average 5 tuberadio when 1 tube is used as rectifier. Dimensions: 12 inches Wide; 11 inches Wide; 11 inches Wide; 11 inches High; 8 inches Deep. Shippin Shope in pin general set of the set of th





MODEL 214

7 tube, 6-volt, Superheterodyne with 3-band Tuning. American, foreign



Tuning, American, foreign, police, amateur, ships at sea and aviation. Large 6" colored illuminated dial. Variable tone control. Automatic volume control to eliminate fading. Full 6" Dynamic speaker. Tuning range 540 to 1720 kilocycles; 1.7 to 5.5 megacycles; 5.5 to 16 megacycles. Tubes: 1 606; 1 1A4; 1 32; 1 19; 3 30. Battery drain 1.75 amp. Dimensions: 14" wide; 16" wide; 16" wide; 16". Shiph, 8" deep. Shipp ping weight, 28 lbs. F. O. B. Minneapolis. Complete with Tubes.

\$29.95

CONSOLE MODELS

Studio Console of exceptionally fine design with fluted pilasters created to grace the finest living rooms. Can be equipped with any type Leday Chassis. Variable Tone Control in all Console Models. Dimensions: 34 inches High; 19½ inches Wide; 10 inches Deep.

MODEL 212C

6 Tube, 6-volt Studio Console Cabinet equipped with same chassis as Model 212. Variable Tone Control. Full eight-inch Dynamic Speaker. Shipping weight 47½ lbs. F.O.B. \$35.95

MODEL 211C

4 Tube, 6-volt Studio Console Cabinet equipped with same chassis as Model 123. Variable Tone Control. Full 8" Dynamic Speaker. Shipping weight 42 lbs. F.O.B. Minneapolis. Complete with Tubes..... \$29.95

MODEL 214C

7 Tube, 6-volt Studio Console Cabinet equipped with same chassis as Model 214. Full 8" Dynamic Speaker. Shipping weight, 48 lbs. F. O. B. Minneapolis. Complete with \$39.95

MODEL 213C

7 Tube, 32-volt Studio Console Cabinet equipped with same chassis as Model 213. Full 8" Dynamic Speaker. Shipping weight, 45 lbs. F. O. B. Minneapolis. Complete with \$46.25



MODEL 213-7 Tube, 32 volt Superheterodyne with 2 band Tuning. American, foreign, amateur and police. Tuned RF stage on both bands. Large 6" colored illuminated dial. Vari-

able Tone Con-trol. Automatic volume control to eliminate fading. Large 6" full Dyna-ic Speaker. 3fading. Large gang, ball bearing, rubber mounted condenser. Tuning range 540 to 1720 kilocycles; 2.1 to 7.0 megacycles. Tubes: 2 6D6; 1 6A7; 1 75; 1 43; 2 2 0. 1 75; 1 43; 2 6A6. Battery drain 1.75 amp. an's: 1234" wide; 15" high; 8" deep. Shipping weight, 25 lbs. F. O. B. Minneapolis. Complete with

Tubes.



LEJAY 6 TUBE 1937 AUTO RADIO







This improved Superheterodyne, all electric 6-tube Auto Radio presents many startling features and is one of the finest radios that you can buy regardless of price. Compare it with others selling at \$40.00 to \$50.00. It's as powerful—as rich toned—and gets as many stations. Single hole mounting.

Uses 6 new Octal Base RCA tubes giving 8-tube performance. Automatic Volume Control—Continuously variable Tone Control—Powerful Dynamic Speaker reproduces music and voice with rich lifelike tone. Dial is illuminated Custom-Dash Remote Control. Suppressors not needed on most cars. Equipped with speaker attachment for all types of

No. 223—With tubes. Ship. wt. 22 lbs......\$29.75

All radios are guaranteed unconditionally for 90 days against defective materials and workmanship.

BATTERY SOLDERING IRON

A tool for quick soldering. INSTANT HEAT. Very handy on farms and places where electric current is not available. Simple to operate
—merely connect the clip to
positive battery post and make a ground connection with the extra wire and clips furnished for that purpose.



No. A800—Complete Tool, shp. wt. 2 lbs. F.O.B...\$1.25



CORE FILLED SOLDER

Acid Core-2 ounce spool	0.10
Rosin Core—2 ounce spool	.10
Acid Core—1 lb. spool	.62

YOU PAY POSTAGE

RADIO INTERFERENCE SUPPRESSOR

LeJay Condensers are designed for small light plants to suppress radio interference caused by the generator. Allows you to play radio while wind plant or other generator is charging battery without any noise in your radio. Easily installed.

Just fasten condenser to generator frame and connect lead to positive terminal post.

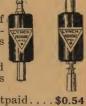


lead to positive terminal post. No. 8182—6 Volt Condenser, ship. wt. 4 oz......
No. 8180—32 Volt Condenser, ship. wt. 5 oz......
No. 811—110 Volt Condenser, ship. wt. 5 oz...... .34 .39

Send 3c postage for above condensers.

FILTASTAT IGNITION FILTERS

A new wire wound inductance unit of low resistance (250 ohms) designed to replace the old carbon type suppressors (15,000 to 25,000 ohms).



.42

For installation on each spark plug and distributor head where desired and on cars where Super Filtastats cannot be used. No. 200—Distributor type, 250 ohms, postpaid....\$0.54 No. 300—Spark Plug type, 250 ohms, postpaid.....54

CARBON AUTO RADIO SUPPRESSORS

LEJAY HEAVY DUTY RADIO BATTERIES

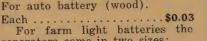


The average radio battery lasts from one year to 18 months, whereas the LeJay Extra Heavy Duty Radio Batteries last up to Batteries are made from heavy duty plates to give longer life and are guaranteed on an adjustment basis for 24 months. Equipped with Thumb Screw Terminals.

Type	Rating	Length	Weight	Price
615	90 Amps.	9"	41 lbs.	\$ 4.95
625	120 Amps.	101/4"	50 lbs.	7.85
64S	180 Amps.	13 1/4 "	64 lbs.	10.95
Prices	are F.O.B. Minr	neapolis. Ad	d 5 lbs. for	crating.

Repair Your Own Batteries **SEPARATORS**

Positively one of the best values on the market. All standard groove and thickness. They come oversize for you to cut to fit. For auto battery (wood).





		iic Datteries		The particular in contrast to the	AN EMPORE HILLIAN DAYS:
separators	come	in two sizes:			40.04
Farmlite.	5 34 " (wood), each			. \$0.04
Farmlite	71/9" (wood), each			04 ½
Formlite,	5 3/4 " (rubber), eac	h		08
Farmilite,	71/11	rubber), eac	h		09
rarmine,	72	Tubber), eac	11	congrator	
	Shippir	ng weight 2	oz. per	separator.	



AUTO BATTERY PLATES

Made from finest materials. No fillers to cheapen plates. Mention either positive or negative when ordering.

		Shipping weight averages 1 lb. per plate.
4 3/4 "	x	3/32" thick, each\$0.14
4 3/4 "	x	1/4" thick, each
5 1/4 "	x	3/32" thick, each
5 1/4 "	X	1/8" thick, each
5 3/4 "	X	3/32" thick, each
		TO A TOP A TOP A TOP A TOP A

5 4 " X 3/32" thick, each	
5¼" x 1/8" thick, each	16
74 A /8 Unick, Cachi	18
5¾" x 3/32" thick, each	10
TARREST DATEEDS DIATEC	
FARMLITE BATTERY PLATES	
160 Amp. Pos. 5"x5\%", each	\$0.34
160 Amp. Pos. 5 x5 78, each	20
160 Amp. Neg. 5"x5 %", each	45
240 Amp. Pos. 7"x5 %", each	45
240 Amp. Fos. 1 x5 78, each	39
240 Amp. Neg. 7"x5 %", each	
Farmlite Battery Glass Jars	2.25
Farmite Dattery Glass dats	90
Farmlite Battery Glass Covers	
Shipping weight averages 1 lb. per plate.	
Company actions and actions	

SEALING COMPOUND

Good sealing compound is more and more a necessity with the rubber and composition cases. This compound is soft, pliable and sticky and hundreds of users pro-nounce it the most serviceable.

T92-10 pound packages, shipping weight 11 lbs...\$0.98 BATTERY ACID 1 Gal.—Shipping weight 12 lbs. F.O.B....



Latest type carrier, takes regular or reverse assembly batteries with ease. An easy, quick and secure way of carrying your battery. LJ95—Battery Carrier. Shipping weight 6 oz.....\$0.29

JUMPER CONNECTORS



Jumper connectors for charging batteries. Taps on to posts easily. Extra-flexible, rubber covered cable. Doesn't injure battery posts. Fits either positive or negative terminal.

Shipping weight 4 oz.

1—Jumper Connector (per set of two)......\$0.26

YOU PAY POSTAGE ON ALL ABOVE ITEMS

LEJAY WEEDLESS Electric Outboard Motor

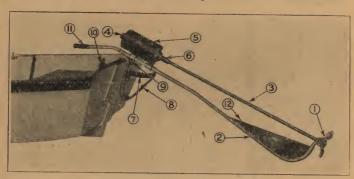
Newly Designed-Perfect in Operation

The 1937 LeJay Outboard Motor is ruggedly built and will stand many years of hard use. It is light and easy to handle and can be attached conveniently and quickly to any boat or canoe. The motor is not submerged, eliminating and operation also relieved the cutro drag that a subing condensation, also relieves the extra drag that a sub-merged motor creates. It is also made so that it is weed free and not liable to damage from stones, sunken logs and sand bars.

Wonderfully smooth and quiet, handles easily and quiekly. Reverses instantly.

There is no noise or vibration in a LeJay Electric Outboard Motor. To start it you merely turn a switch and the motor runs quietly and smoothly. Guiding the boat is as simple as A.B.C. There are no tricky gears or flexible shafts to cause trouble and need attention. It is ideal for trolling because of the phoestet No. 4 which can be adjusted to give

cause of the rheestat No. 4 which can be adjusted to give just exactly the speed your bait requires. Capable of producing speeds of 8-10 miles per hour.



12 distinctive points give LeJay Outboard Motor the advantage.

Below are listed and numbered, according to the diagram above, a few of the special distinctive features that make this motor the best Outboard Motor for vou.

Cast aluminum machine balanced weedless propeller

Steel tube main frame Brass tube propeller shaft (operates at same angle as inboard propeller propeller

shafts). Variable Speed Control— 4. O 5.

Variable Speed Control
also reversing switch
LeJay special 6 volt motor
—double speed on 12 volts
Gates coupler from motor
to propeller shaft
Reversible steering quad-6.

rant—smooth on one side, notched on other side to hold motor on course

Adjustable rudder pitch depending on angle of boat back.

Pivot, motor turns freely in either direction, also swings up and down. If rudder hits a rock it merely raises and rides over, doing absolutely no harm

10. Wing Clamp Screw

11. Detachable steering handle

Rudder controls steering perfectly in roughest weather 12. Rudder

Guaranteed one year against defective workmanship or materials.

Economical to own because of low upkeep and low oriThe low price on the 1937 LeJay Electric Outboard Motor combined with the small operating cost makes this the ideal motor for everyone interested in hunt-

ing, fishing or traveling. It will run from 8-12 hours on any good 6 volt battery and requires no attention because it is packed with grease at the factory and needs no additional lubrication. Only one moving part—the armature—coupled to propeller shaft—eliminates practically all chance for wear and deterioration. Built to last a lifetime.

No. 10—Outboard Motor as above pictured.

\$29.50

\$29.50 (Operates on 6 volts).....

Shipping weight, approximately 30 lbs., F.O.B. factory.

GENERATOR COOLER BAND

Fits all popular make generators. Easy to apply. Air forced through the generator keeps generator cool and permits an increase in output up to 30%.

No. SC75-Screened Front Cooler Band. Shp. wt. 8 oz. You pay postage. . \$0.74



VOLTAGE CONTROL RHEOSTAT

This rheostat is double duty (will carry 15 amperes peak load) and is designed for use in field circuit of most generators to control output.

No. SW1—Rheostat, complete with knob—for panel

mounting—postage paid\$0.98



LE JAY FANS

Especially made for farms, cottages, etc., to operate on 6, 12, 32 or 110 volts. Four fan blades—complete guard front and back—3,600 r.p.m. speed designed for displacing several cubic feet of air per minute. Table model 800 is furnished in four voltages. Model 700, or hanging model, furnished in 6 volts only.

As Low as \$2.95



No. 700- 6 volt fan complete. . \$2.95 No. 800- 6 volt fan complete. . 4.45 No. 800— 12 volt fan complete. 4.95 No. 800— 32 volt fan complete. 7.45 No. 800—110 volt fan complete. 4.95

Ship, wt. each fan 4 lbs. You pay



MODEL 800



OFF & ON SWITCH

Toggle Switch for wall Surface 750 watt capacity. mounting.

No. 9604—Shp. wt. 4 oz......18c
(3 for 50c)



SOCKETS

Brush Brass Keyless Socket with 1/8-inch nozzle cap.

No. 9246-Shp. wt. .17c

Pull Chain Type-No. 9242-Shp. wt. 10 oz.23c (3 for 60c)



ROSETTES

Ceiling Cleat Rosette with external connections for wires.

No. 9235-Shipping weight 9 oz.(3 for 45c)





CEILING ROSETTE

With connections concealed.

No. 9237—Ship. wt. 12 oz....17c
(3 for 45c)

CEILING RECEPTACLE

34-inch Porcelain Pull Chain Receptacle.

Ship. wt. 1 lb......25c
(3 for 70c)



TWO-WIRE PORCELAIN CLEATS

Packed 100 pair to box



No. 9002— Shp. wt. 5 oz. Per pr...\$0.04 50 pr... 1.75 100 pr.. 3.25 Shp. wt. 100 pairs to 25 lbs.

PORCELAIN TUBES

No. 9003—3-inch....2c; 3 for 5c; 10 for 15c Shp. wt. 1 oz. or 100 for 9 lbs. No. 9006—6-inch..3½c; 3 for 9c; 10 for 25c Shp. wt. 2 oz. or 100 for 13 lbs.



NAIL KNOBS

CARTRIDGE FUSES

6, 10, 15, 20, 25, 30 ampere. Any voltage. Specify amperage and voltage when ordering.

CONE SHADES



HOLDER RING

Squeeze type for brass shell sockets.

No. 1062—Shipping wt. 1 oz.8c (3 for 21c)

TAPS AND DIES





	Threads					The same of T	
	per Inch	Tap	Die	т	hreads		
Size	U.S.S.	Price	Price		er Inch	Tap	Die
					U.S.S.	Price	Price
3/16	" 24	\$0.10	\$0.10	3/8 "	16	.15	.15
1/4 "	20	.12	.12	7/16"	14	.15	.15
5/16	" 18	.12	.12	1/2 "	13	.20	.20

Our taps and dies are made of high carbon steel, electrically heat-treated, and are guaranteed to be accurate and easy cutting.

WRENCH FOR HOLDING DIES

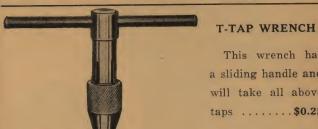


Drop forged steel die stock to hold the above listed

TAP AND REAMER WRENCH



Made of steel and holds any of above listed taps.. \$0.15



This wrench has a sliding handle and will take all above taps\$0.25

SCREW EXTRACTORS

Drill a hole in broken screw, insert screw extractor and turn screw out on its own threads.



Screw Extractor Number	For removing Screws Diameter	Price
0	5/32" to 7/32"	\$0.35
1	7/32" to 9/32"	.40
2	9/32" to 3%"	.45
3	3% " to 34"	.50

BIT STOCK DRILLS

These drills are for use in a bit brace for drilling either metal or wood.



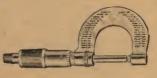
1/8"\$0.	20 14 1	\$0.25	36 "	\$0.50
				Ψ0.50
3/16"	20 5/16	"		
J' 10	0,10			

For all items on this page: Add \$0.10 postage-Orders up to \$0.50. Add \$0.15 postage—Orders \$0.50 to \$1.50. Add 10%

Carried Street		
1/16"\$0.10	7/32"\$0.15	3/8"\$0.35
3/32"10	14"	13/32"40
1/8"12	9/32"20	7/16"
5/32"12	5/16"20	15/32"50
	11/32"30	

NEW MICROMETER

1" size. Full ne. Accurate. Full pol-Standard ished chrome.

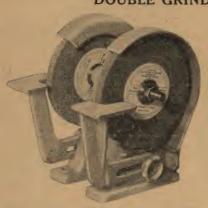


ished chrome. Accurate. Adjustable anvil. Hardened steel spindle. Both spindle and anvil are hardened steel, ground to size and rigidly inspected. Adjustment for zero setting is in the anvil. Frame is an alloy casting with machined sleeve, reamed to an accurate spindle fit. Thimble is a special alloy casting accurately calibrated. Finish is chrome on nickel. Hard, wear-proof, and full-polished. Each micrometer individually packed in a lock-corner, slide cover box. Handy for measuring wire sizes.

Guaranteed accurate within 1/1000 of an inch.

Guaranteed accurate within 1/1000 of an inch. No. GL-1" Micrometer individually boxed, postage paid

DOUBLE GRINDER





spindles on all malathes.



Four-inch Double Grinder equipped with two 4"x½" grinding wheels: one fine and one coarse. ½" threaded spindle, tool rests and 1" steel pulley for %" V-belt.

No. 841—Four-inch Double Grinder. Ship. wt., 9 lbs. F.O.B. Mo. 860—Six-inch Double Grinder. Ship wt., 10 lbs. Ir Minneapolis
No. 825—Wire Wheel, coarse, 4-inch
No. 926—Wire Wheel, fine, 4-inch
No. 926—Wire Wheel, coarse, 6-inch
No. 927—Wire Wheel, fine, 6-inch
No. 927—Grinding Wheel, coarse, 4-inch
No. 822—Grinding Wheel, fine, 6-inch
No. 924—Grinding Wheel, fine, 6-inch
No. 925—Grinding Wheel, fine, 6-inch
No. 823—Buffing Wheel, 4-inch
No. 824—Buffing Wheel, 6-inch
No. 824—Buffing Wheel, 6-inch
No. 336—¼-inch Chuck
No. 360—½-inch Chuck wt., 10 lbs. F.O.B. .65 .60 .75 50 50 .80 -80 .20



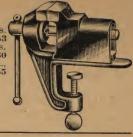
WIRE GAUGE

.35

This gauge has wire sizes stamped on one side with decimal equivalents in inches stamped on other side. American standard including sizes from 0 to 36.\$2.95

VISES

-2" Vise. Ship. wt., 3 lbs. . . \$0.80 F.O.B. \$0.80 No. 80—3" Swivel Vise. Ship. wt., 6 lbs. \$1.55





POWER DRILL PRESS

A light-duty, belt-driven drill press with ½" chuck. Height 16". Maximum clearance, chuck to base, 7½", 3½" adjustable swinging table. Drive pulley keyed to sliding spindle. Two guide pulleys. Spindle travel 1¾". A ¼" round belt is recommended, with corresponding R. B. pulley on drive shaft. No. 5700—Power Drill Press. Ship. wt. 5 lbs. F.O.B. Minneapolis......\$2.95

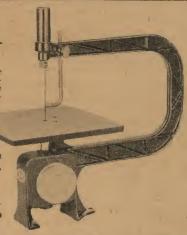
JIG SAW

Saw with 8" square e. Top spring en-ed. Adjustable blade closed. guide. Two speed pulley

for 3/8" or 1/2" V - belt. Takes 5" plain edge

saw blade. jig Cuts wood, celluloid, bakelite, light metal, etc.

No. 1220-Ship. wt. 11 lbs. F.O.B.\$2.30





ANVIL

Eight-pound Anvil. 9"x 4"x2 1/8" wide. Ground face and sides. Chilled surfaces.

No. 5—Anvil. Ship. wt., 10 lbs. F.O.B......\$1.30

BELT SANDING MACHINE



GENERAL INFORMATION

The following information is given with the idea of helping users and builders of home electrical plants.

VOLTS, AMPERES, OHMS

The three common units of electricity are volts, amperes, and ohms. For our purpose it does not matter so much how they were first established as it does to understand clearly what they mean and how they are related. The volt is the unit of electrical pressure, the ampere is the unit of rate of current flow and the ohm is the unit of resistance to the flow of current. These units are related as follows:

Volts equal amperes multiplied by ohms. Amperes equal volts divided by ohms. Ohms equal volts divided by amperes.

These electrical units can be compared to the units used in speaking of a water supply system. The volt corresponds to the presure per square inch which is indicated on the pressure gauge, as 40 lbs. per square in. The ampere corresponds to the rate at which water is forced into or drawn out of the tank, as 5 gallons per minute. Note that it is a rate of flow, as gallons per minute, and not a quantity of water, as 5 gallons. The ohm corresponds to the resistance which the pipe offers to the flow of water.

The following electrical units are derived from those ove. Electric power is measured in watts. One horsethose above. E Electric pos s 746 watts.

Volts multiplied by amperes equal watts.
Watts divided by volts equal amperes.
Watts divided by amperes equal volts.
Watts times the number of hours gives the watt-hours or
K.W. hours (1,000 watt hours).

To determine the ampere hours multiply the ampere draw by the number of hours of this draw. Ampere hours put in or taken from a battery are to be compared with the num-ber of gallons of water put in or taken from a water tank.

The following table shows approximate ampere of various electrical appliances and power equipment.

	Amp. at 6 Volts	Amp. at 32 Volts	110 Volta
½ H.P. Motor		18.0	4.85
4 H.P. Motor	****	9.1	2.49
1/6 H.P. Motor	33.2	6.8	1.84
1/8 H.P. Motor	24.8	5.0	1.35
H.P. Motor	13.3	2.8	.74
Fan Motor, 16 in	9.8	2.0	.50
Fan Motor, 12 in	7.3	1.5	.44
Fan Motor, 9 in	4.9	1.0	.25
Washing Machine	33.0	6.6	1.80
Sewing Machine Motor	3.2	.7	.18
	0.2	• • •	
Pump Motor	29.9	6.5	1.80
150 gal. per hr		4.0	1.10
Vacuum Cleaner, small	19.		1.80
Vacuum Cleaner, medium	29.5	6.5	
Coffee Percolator		15.5	4.00
Disc Heater		15-20	4.0-5.40
Grill		19.0	5.40
Toaster		16.0	4.30
6 lb. Flat Iron		18.0	5.0
Soldering Iron	15.0	3.2-6.5	.90-1.80

BATTERY WILL FREEZE

Electrolyte is not very easily frozen, but if the battery is permitted to run down as low as 1.100 specific gravity, it will freeze at about 20 degrees Fahrenheit above zero.

At 1.125 the Electrolyte will freeze at 10 degrees above

zero.

1.150 specific gravity will freeze at about 5 degrees above zero, but above this, or 1.200, the battery will not freeze until it is 10 to 16 degrees below zero, and 1.225 specific gravity, 35 degrees below zero.

WIRING

In wiring buildings, it is important that wire of the proper size be used, because if an undersized wire is used the drop in voltage and current because of the resistance of the light wire will become tremendous. Below is a table which will act as a guide only in the size of wire to be used. This table shows the number of feet from the battery or generator and the size of wire recommended for the various distances:

in feet that wire will carry charging Maximum distance in f current with 1 volt drop.

No. Ft. of Distance...... Wire Size No..... 150 200 75 100 10

PLANS

for Making Your Own WIND GENERATORS, **WELDERS "B" ELIMINATORS**

By using these simple, practical LeJay plans you can easily have electric current generated by the wind. The first cost is very small and the operating cost is hardly anything. Anybody with but a slight knowledge of mechanics and with ordinary tools generally owned by everybody should be able to follow these plans and instructions with no trouble whatever.

These Plans are sold separately at following prices or

These Plans are sold separately at following prices or all together in book form for \$1.00. Each Plan is complete with simplified drawings and instructions. No special tools are needed for the changes.



the use of many electrical conveniences.



Description

No. 1—110 VOLT A. C., 250 WATT LIGHT PLANT GENERATOR made from an old Ford model "T" generator. Produces enough power to light 6 or 7 of the 25 watt size bulbs and radio or about 10 bulbs without radio. Plan complete.....

No. 2—110 VOLT A. C., 200 WATT VARIABLE SPEED GENERATOR from a Ford Powerhouse generator. Designed for auto fan belt operation to run midget radios in car; sound equipment; lights and radio at camp or in cottage; house trailers equipped with lights and radio operate while moving or standing. Plan complete Coin, 20c

No. 3a—6 VOLT SLOW SPEED GENERATOR from Ford powerhouse generator. Cuts in around 390 r.p.m. and delivers up to 18 amperes. Designed for wind propeller direct drive. Will charge up to three 6 volt batteries at one time.

No. 3b-6 VOLT SLOW SPEED GENERATOR from Powerhouse with 300 r.p.m. cut-in and 12 ampere maximum.

No. 3c—TOWER, TURNTABLE, FIN and complete direct driven plant made from scrap parts found on most farms. Shows simple and efficient method of power transfer from generator turntable to battery. For standard 6 volt generators or rewound Dodge 12 volt generators.

No. 3d—6 FOOT DIRECT DRIVE PROPELLER easily cut from clear pine stock. All dimensions, pitch and curves. Especially designed for the 6 volt standard gen-

No. 3e-7 FOOT DIRECT DRIVE PROPELLER for 6, 12, 32V. Dodge generators, etc.

No. 3f-8 FOOT DIRECT DRIVE PROPELLER like (d)

No. 4-a-6 VOLT SLOW SPEED GENERATOR from other standard 6 volt auto generators. Starts to generate around 350 to 475 r.p.m. and delivers up to 15 amperes. For wind propeller direct drive. Will charge up to three batteries at once.

No. 4-b-6 VOLT SLOW SPEED GENERATOR from Dodge 12 volt generator. Cuts in between 350 and 450 r.p.m. and delivers up to 35 amperes. For direct drive propeller. Will charge up to six of the 6 volt batteries

at one time.

No. 4c-6 VOLT EXTRA SLOW SPEED GENERATOR from Dodge, cuts in about 120 r.p.m. and delivers 30

No. 4d—12 VOLT SLOW SPEED GENERATOR from Dodge generator. Cuts in between 350 and 450 r.p.m. and delivers up to 20 amperes. For direct drive propeller and will charge up to four 12 volt batteries at one

No. 4e-12 VOLT EXTRA SLOW SPEED GENERATOR from Dodge with cut-in about 170 r.p.m. and delivers 22 amperes. Plan includes 4a, 4b, 4c, 4d, 4e..Coin, 35c No. 5a-32 VOLT SLOW SPEED GENERATOR made

from 12 volt Dodge generator. Starts to generate between 340 and 375 r.p.m. and delivers up to 14 amperes between 775 and 875 r.p.m. Especially designed for wind propeller direct drive.

made from the 12 volt Dodge generator. Delivers about 16 amperes at 1600 r.p.m. and about 20 amperes at 2200 r.p.m. Designed for engine drive.

No. 6b—32 VOLT ½ H. P. MOTOR made from the old

12 volt Dodge generator.

No. 6c-110 VOLT D. C. LIGHT PLANT GENERATOR

from Dodge generator.

from Dodge generator.

No. 6d—110 VOLT D. C. ½ H. P. MOTOR from the Dodge generator. Plan includes 6a, 6b, 6c, 6d. Coin, 35c

No. 7a—BENCH GRINDER OR BUFFER for 32 volts D. C. or 110 volts A. C. or D. C. Made from the old Ford model "T" or other standard 6 volt generators.

No. 7b-HIGH SPEED SERIES MOTOR, 110 volts A. C. with speed control and made from the standard 6 volt

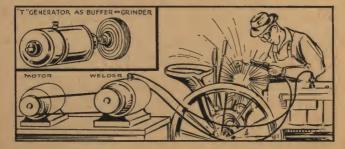
automobile generators.

No. 7c-CONSTANT SPEED MOTOR, 110 volts A. C., made from standard auto generators.

No. 7d-UNIVERSAL A. C. or D. C. MOTOR, made from

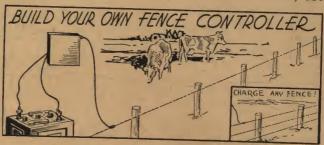
standard 6 volt auto generators.

No. 7e—A SOLDERING IRON that will work on 6, 12 or 32 volt storage batteries and made from scrap parts. Very efficient. Plan includes 7a, 7b, 7c, 7d, 7e....Coin, 25c



No. 8-ARC WELDER made from the old Dodge 12 volt generator and will produce 75 to 90 amperes at 30 to 40 volts. Handles either 1/16" or 3/32" welding stock. Plan shows how to build reactor and stock holder. Plan Coin, 35c complete

No. 9—ELECTRIC FENCE CONTROLLER for one wire electric fences or how to electrify your present fences. Operates from 6 or 32 volt battery. Uses very little current. rent. Easy to build and saves from 75% to 90% in fence costs and upkeep. One man can fence 25 acres in a day. Posts are needed every 2 or 3 rods with only one wire to string. No gates to make as they are just a single wire with hook. Fence off any part of farm in a hurry for change of pasture. Absolutely holds livestock securely and safely. Even hogs will not root under. Plan



No. 10a—6 VOLT SLOW SPEED GENERATOR made from an old Ford model "T" generator. Made for wind propeller direct drive. Starts to generate about 450 r.p.m. and delivers up to 14 amperes. Will charge up to three batteries.

No. 10b—6 VOLT SLOW SPEED GENERATOR made from an old Ford model "T" generator. Same as (a), only starts to generate between 300 and 325 r.p.m. and delivers up to 10 amperes.

No. 10c—6 VOLT SLOW SPEED GENERATOR from Ford "T" with cut-in at 290 and 15 ampere output.

No. 10d—6 VOLT SLOW SPEED GENERATOR from The Story of th

Ford "T" with cut-in at 275 and 10 ampere output.

No. 10e—Complete plans for DIRECT DRIVE 6 VOLT WIND PLANT (wood construction). Plan includes 10a, 10b, 10c, 10d, 10e.

No. 11-110 VOLT A. C. 750 WATT LIGHT PLANT

GENERATOR made from the old Dodge generator. Produces enough current to light 27 of the 25 watt size bulbs and an electric radio or about 30 bulbs without radio. Will operate small motors of 1/6 H. P. or smaller. Plan complete No. 12-B ELIMINATOR for your battery radio. Makes your

automobile generator when operating the car radio, hot water heater, etc. Boosts the charging rate for these extra loads without 3rd brush adjustment. Also cuts generator down to low charge for daytime driving if battery

Sure like my new Manual. Have 3 plants up so far, all Fords and making a Chevy now. You have sure been a great help to me.

Lawrence Margheim, Ness City, Kansas

No. 16—2 VOLT SLOW SPEED GENERATOR made from Ford model "A," Chevrolet Standard, Pontiac and other 14 slot 28 bar Autolite or Delco Remy generators. Cuts in around 350 r.p.m. and delivers up to 10 amperes. Designed for wind propeller direct drive. Plan complete ... Coin, 15c

No. 17-2 VOLT CUT-OUT from the standard 6 volt cutout to be used on 2 volt generators for charging the 2 volt radio batteries. Plan complete..........Coin, 10c

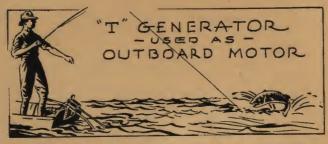
Coin, Plan complete

No. 20a-6 VOLT OUTBOARD MOTOR from Ford "T" generator. Operates from 8 to 12 hours on ordinary storage battery.

No. 20b-BOAT MOUNTING BRACKET PLANS complete showing how to mount on any boat, connecting to

propeller, etc.

No. 20c—Reversing SWITCHING DIAGRAM showing how connections are made for propelling boat backwards as well as forwards. Plan includes 20a, 20b,



No. 21—GASOLINE ENGINE or MOTOR DRIVEN GEN-ERATOR HOOK-UP showing how any auto generator can be driven for charging batteries. Shows how to connect generator cut-out, ammeter, fuse and battery.

tor or engine driven. Complete plan........Coin, 10c No. 22—ARMATURE GROWLER easily made from an old auto generator for purpose of testing auto or slow speed armatures. Plan shows all diagrams, how to wire in test light, switch and test prods. Plan complete.

No. 23a—32 VOLT SERIES MOTOR from Dodge 12 volt generator without rewinding field coils or armature. 2,700 r.p.m. speed.

No. 23b—32 VOLT HIGH SPEED SERIES MOTOR from Dodge without rewinding. ½ H. P. at 1,800 r.p.m. and capable of 4,200 r.p.m. Plan includes 23a, 23b. Coin, 25c No. 24a—32 VOLT VARIABLE SPEED SHUNT MOTOR from Dodge 12 volt generator without rewinding field coils or armsture. coils or armature.

No. 24b—32 VOLT HEAVY DUTY MOTOR from Dodge 12 volt generator. Capable of handling heavy loads for an indefinite period. Plan includes 24a, 24b...Coin, 25c

We built a Charger from a model "T" Generator as described in plan No. 10 of your Manual with which we had very good success. We were well pleased with this plan.

Excello, Missouri. Lee Waller,

No. 25—BENCH DRILL and also BREAST DRILL from Ford model "T" generator. Can be made to work on either 6, 12 or 32 volts. Plan complete..... Coin, 15c



No. 26-6 VOLT MOTOR from Ford model "T" suitable

No. 27a-12 VOLT MOTOR from Ford model "T" generator suitable for washing machine, drill press, grind-

ing, pumping, etc.
No. 27b-32 VOLT MOTOR from Ford model "T" suit-

No. 28a-110 Volt A. C. Motor from Ford Powerhouse generator without rewinding field coils or armature. Speed

1600 r.p.m. and for constant light duty.

No. 28b—6 Volt Slow Speed Generator from Dodge gen-

No. 29—Transformer Arc Welder for use on 110 volts A. C. Will handle 1/16", 3/32", 1/8" and 3/16" rod and is capable of welding up to 1/8" thick materials. This arc welder is simple and easy to build. Plan gives completely all details, how to wind coil, cut laminations, corrected the cate Plan complete. assemble, etc. Plan complete.....\$0.35

No. 30—A spot welder that is capable of spot welding materials up to \(^{1}\seta^{\gamma}\) thick. Operates on 110 volts A. C. Plan shows how to construct transformer, stand, handles and electrode points. Plan complete.....\$0.35

No. 31-Complete 32 volt wind direct drive plant. Shows





Your Manual on rewinding is so plain that only the walk-ing dead could fail to learn. There is a lot of good information on generators in this book. I would not sell it for what it cost me.

me. John

Schultz Richey, Montana.

TESTIMONIALS

I find that your plans are very easy to understand. I have made a slow speed wind charger from a Dodge generator. It has furnished me lights for over six months.

Earl Leemon, Chester, Illinois.

I want to thank you for sending me your book and instructions I got from you some time ago. I have changed three model "T" generators so far and they all work just fine. I never did any of this work before and anyone who can read can change them for slow speed.

John W. Meller,
Coleridge, Nebraska.

I find it does not take a graduate to understand your plans, since I am 14 years old. Have rewound a Model "T" generator which worked good.

Donald Birka, Ainsworth, Iowa.

I'll endorse these plans to anyone for they certainly are clear and in a very simplified form to read.

R. H. Bryant, Beecher City, Illinois.

Am very much impressed with the exactness and detail with each plan contained in the LeJay Manual.

Edward T. Morgan,

Wood Mountain, Sask., Canada.

The LeJay Manual is surely fine and simple to understand. I finished the propeller and it looks and turns fine.

Harry Horbuz, Buckholts, Texas.

I received the LeJay Manual and find it a very clear, well made book.

Merritt Floyd, Sugarite, New Mexico.

I rewound a model "T" generator from your plans and it was perfect. It was the first time I ever rewound an armature.

Damer Glassburn, Belleville, Illinois.

I have several of your wind plant plans, generator changes, etc.; and they are very easy to follow and work out just as stated.

Eric Norman, Putnam, Conn.

The LeJay Manual which I received recently is certainly a very interesting and educational book, simple and very easily understood.

Joe Funke, Tipton, Indiana.

I have received the diagrams for rewinding generators. They are very simple and are worth much more than you ask. I have already rewound one generator into slow speed and it sure works fine.

Fred Cazakoff, Kylemore, Sask., Canada.

I received your Plans for Ford generators and was very well pleased with them. They are just what I wanted. I have already used the Plans and have a charger in operation.

H. C. Bennett, Skiatook, Oklahoma.

We have many more such testimonials in our files which are open for your inspection.

Order Plans desired by number. Any 3 Plans for 50c coin plus a 3c stamp for mailing. All Plans sold in "Book Form" for \$1 bill or money order plus a 6c stamp for mailing.

Canada and Foreign Countries: Add 5c to single Plans. Any 3 Plans for 55c. Complete Book \$1.10 P. O. M. O. or equivalent in U. S. money. Do not send stamps. We pay duty.

NOTE: Generators made from Plans No. 3, 4-a and 10 are excellent for light plant use. Connect two 6 volt batteries in parallel which will give about 200 watt capacity of quite steady use. You can then light your house and barn and burn from 6 to 8 of the 6 volt 25 watt size bulbs at one time or 6 bulbs and a 6 volt electric radio. Generator made from Plan 4-b will keep 4 or 5 of the 6 volt batteries charged which means a 500 watt to 600 watt capacity plant. A 25 watt bulb gives about 5 times more light than the average kerosene lantern.

LEJAY MANUAL

Over 50 Generator Changes Condensed into 31 Plans \$1.00



The above is a duplicate of the LeJay Manual, one-third actual size, showing and explaining the 28 plans of generator changes as previously described. This book is worth many times more than the \$1.00 we ask and we guarantee satisfaction or money cheerfully refunded.

- Wind Plants, Generators, Propellers and accessories are guaranteed 90 days on a satisfaction or money back basis.
- All goods are guaranteed to reach you in good condition and to be exactly as represented in this catalogue.
- 3. If you are not entirely satisfied with the above goods purchased we expect you to immediately return same to us for a cash refund or exchange.

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On Parcel Post Shipments be sure to include additional money in your remittange to pay postage as charges must be paid in advance.

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LEJAY MANUFACTURING COMPANY

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